



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141388

Mode: Highway

Status: Submitted

NC-87

From/Cross Street: Wentworth Street/Sandy Cross Road

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$775,000

Description:

Construct one lane roundabout and remove traffic signal

Division(s): Division 7

County(s): ROCKINGHAM

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 67.85

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (10%) 0.00	Percent: 15% Points: 100	Percent: 15% Points: 50
Congestion (V/C) (25%) 63.87		
[Travel Time] Benefit/Cost (25%) 100.00		
Accessibility / Connectivity (10%) 43.79		
Totals: Weight: 70% Weighted Score: 45.35		

Division Needs Total Score: 32.77

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 63.87	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 0.00		
[Travel Time] Benefit/Cost (20%) 100.00		
Totals: Weight: 50% Weighted Score: 32.77		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	27787
Capacity:	31600
Volume/Capacity Ratio:	0.88
% Autos:	94%
% Trucks:	6%
Truck Volume:	1771.42
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	88
Actual Congested Speed:	44
Travel Time Index:	1.02

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	3639000
Travel Time Savings for 30 Years (Autos):	3407014.27
Travel Time Savings for 30 Years (Trucks):	231985.73
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Piedmont Triad RPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 7	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	50	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		50	0

Project Cost and Source

Construction Cost:	\$625,000	Cost Estimation Tool
Right-of-Way Cost:	\$150,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$775,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$775,000	